

500. Bl.> A projection type display apparatus comprising:

a first projection optical system for obliquely projecting light from an original picture onto a predetermined surface, said first projection optical system forming the intermediate image of the original picture on or near said predetermined surface;

a second projection optical system for obliquely projecting the light from said predetermined surface onto a surface for projection and imaging it thereon; and

light deflecting means disposed between said first projection optical system and said second projection optical system for deflecting the light emerging from said first projection optical system;

wherein the optical axis of said first projection optical system is deflected by said light deflecting means to substantially coincide with the optical axis of said second projection optical system.

- 2. A projection type display apparatus according to Claim 1, wherein said light deflecting means is disposed on said predetermined surface.
- 3. A projection type display apparatus according to Claim 1, wherein said light deflecting means is

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constituted by a transmission type diffracting optical element.

- 4. A projection type display apparatus according to Claim 1, wherein said light deflecting means is constituted by a reflection type diffracting optical element.
- 5. A projection type display apparatus according to Claim 1, wherein said light deflecting means is a hologram.
- 6. A projection type display apparatus according
 to Claim 1, wherein said light deflecting means is
 disposed at or near the position of said intermediate
 image.
 - 7. A projection type display apparatus according to Claim 1, wherein said surface for projection has an eccentric Fresnel lens.
 - 8. A projection type display apparatus according to Claim 1, wherein said surface for projection has a plurality of eccentric Fresnel lenses.
 - 9. A projection type display apparatus according to Claim 1, wherein said surface for projection has a

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lenticular lens.

10. A projection type display apparatus according to Claim 1, wherein said light deflecting means has the light deflecting action and the light condensing action.

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11. A projection type display apparatus according to Claim 1, further comprising a plurality of vertically or substantially vertically disposed reflecting mirrors.

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12. A projection type display apparatus according to Claim 1, which is of a rear projection type projecting an image from the rear onto the surface for projection.

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